

**AERODYNAMIC NOISE ABATEMENT DEVICE AND  
METHOD FOR AIR-COOLED CONDENSING SYSTEMS**

**ABSTRACT**

5       The noise abatement device and method described herein makes known an  
apparatus and method for reducing the aerodynamic resistance presented by a fluid  
pressure reduction device in a large duct. More specifically, a noise abatement device  
is disclosed having at least one sparger with an aerodynamic profile that significantly  
reduces the fluid resistance within a turbine exhaust duct of an air-cooled condensing  
10   system that may be used in a power plant.